

MATERIAL SAFETY DATA SHEET**SECTION I**

MANUFACTURER'S NAME	Parks Corporation	CHEMICAL NAME & SYNONYMS	H ₂ O ₂ /Peroxide
STREET ADDRESS	One West Street	CHEMICAL FAMILY	Inorganic Peroxide
CITY, STATE & ZIP	Fall River, MA 02720	TRADE NAME	PARKS WOOD BLEACH
EMERGENCY TELEPHONE	(508) 679-5938	SIZES/CODES	SOLUTION B
		FORMULAS	8 Ounce Kit #0819
		REVISED	H ₂ O ₂ 05/01/95

SECTION II – HAZARDOUS INGREDIENTS**PAINTS, PRESERVATIVES & SOLVENTS**

<u>SOLVENTS</u>	<u>CAS #</u>	<u>%</u>	<u>PPM TLV</u>	<u>PEL</u>
Hydrogen Peroxide	7722-84-1	<30	1	1

PIGMENTS: N.A.**CATALYST:** N.A.**VEHICLE:** N.A.**ADDITIVES & OTHERS:** N.A.**HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES:** N.A.**SECTION III – PHYSICAL DATA**

BOILING POINT (°F)	224°F - 240°F	SPECIFIC GRAVITY (H₂O = 1)	1.10
VAPOR PRESSURE (mmHg)	18 mmHg @ 25°C	PERCENT VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1)	Heavier	EVAPORATION RATE (ETHER = 1)	Slower
SOLUBILITY IN WATER	Complete	V.O.C.	0
APPEARANCE	Clear, Colorless		
ODOR	Concentrations over 30% may have sharp odor		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA**HMIS RATING****HEALTH: 2; FLAMMABILITY: 2; REACTIVITY: 2; PERSONAL PROTECTION: H****FLASH POINT (METHOD USED):** N.A.**FLAMMABLE LIMITS:** Nonflammable.**LEL:** N.A.**UEL:** N.A.**EXTINGUISHING MEDIA:** Water.**SPECIAL FIRE FIGHTING PROCEDURES:** Wear protective clothing and self-contained breathing apparatus.**UNUSUAL FIRE & EXPLOSION HAZARDS:** Strong oxidizer. Hydrogen peroxide is not flammable but can initiate spontaneous combustion of paper, wood, cloth and other organic materials. Ignition may be rapid but can be delayed for several hours. Rapid oxygen evolution from decomposing hydrogen peroxide may increase the intensity of a fire. Oxygen enrichment of poorly ventilated organic atmospheres increases the potential for vapor phase explosions.

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE

SHORT TERM

EYE AND SKIN CONTACT: Exposure to skin or eyes may cause chemical burns.

INHALATION: Inhalation of vapor or mist may cause irritation or chemical burns to mucous membranes and respiratory system.

INGESTION: May cause chemical burns, as well as injury, by distention of the esophagus or stomach due to the sudden evolution of gases.

LONG TERM: Not recognized.

EMERGENCY AND FIRST AID PROCEDURES

SKIN AND EYES: Flush with large amounts of water for at least 15 minutes. Quickly remove contaminated clothing and shoes. Flush clothing with large amounts of water. Contact physician in case of eye contact with peroxide.

INGESTION: Drink large amounts of water to dilute. Sit upright. Contact physician.

NOTE TO PHYSICIAN: It may be advisable to insert a gastric tube to relieve or prevent increased pressure that may result from the rapid evolution of oxygen upon decomposition.

INHALATION: Remove victim to fresh air. Contact a physician.

SECTION VI – REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Reducing agents, strong oxidizers, alkalies.

INCOMPATIBILITY (MATERIALS TO AVOID): Heavy metals and their salts, reducing agents, strong oxidizers, alkalies, cyanides.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxygen, steam, peroxide vapor and heat.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dilute with large volume of water and hold in a pond or diked area until the H_2O_2 decomposes. Do not return spilled material to original containers. Prevent undiluted H_2O_2 from entering sewage system. Comply with federal, state and local regulations on reporting spills.

WASTE DISPOSAL METHOD: Method of disposal is to dilute with a large amount of water and allow the H_2O_2 to decompose followed by discharge into a suitable treatment system in accordance with local, state and federal environmental laws, rules and regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFIC TYPE): Use NIOSH/MSHA approved respirator.

VENTILATION

LOCAL EXHAUST: Yes.

MECHANICAL (GENERAL): Recommended.

SPECIAL: Avoid smoking.

SECTION VIII – SPECIAL PROTECTION INFORMATION

OTHER: Adequate ventilation.

PROTECTIVE GLOVES: Impermeable.

EYE PROTECTION: Eye goggles.

OTHER PROTECTIVE EQUIPMENT: PVC Slicker suit, boots. Water source and safety shower/eye wash should be located close to where hydrogen peroxide is handled.

SECTION IX – STORAGE AND SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Hydrogen peroxide should not be stored in an unvented container. Empty drums should be rinsed with water before discarding. Do not store near flames or at elevated temperatures.

OTHER PRECAUTIONS

1. Avoid heating hydrogen peroxide.
2. Do not contaminate hydrogen peroxide.

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